

IN THE CLAIMS

Please amend the claims as follows:

1. (Previously Presented) A transfer switch comprising:
 - output contacts;
 - primary input contacts;
 - secondary input contacts; and
 - a switch stack alternately connecting the output contacts to the primary input contacts and the secondary input contacts via at least one conductive path; and
 - a magnetic flux barrier at least partially positioned near the conductive path to minimize magnetic interaction with the conductive path as current travels through the switch stack.
2. (Original) The transfer switch of claim 1 wherein the flux barrier is a planar sheet.
3. (Previously Presented) A transfer switch comprising:
 - output contacts;
 - primary input contacts;
 - secondary input contacts; and
 - a switch stack alternately connecting the output contacts to the primary input contacts and the secondary input contacts via at least one conductive path; and
 - a flux barrier at least partially positioned near the conductive path to minimize magnetic interaction with the conductive path as current travels through the switch stack, wherein the flux barrier is a planar sheet made of steel.
4. (Original) The transfer switch of claim 1 wherein the transfer switch includes a plurality of conductive paths and the flux barrier isolates each of conductive paths from magnetic interaction with the other conductive paths.
5. (Original) The transfer switch of claim 4 wherein the switch stack includes

multiple cassettes, each cassette including a conductive path.

6. (Original) The transfer switch of claim 5 wherein the flux barrier is secured to at least one of the cassettes.

7. (Original) The transfer switch of claim 5 wherein each cassette includes an output contact, a primary input contact and a secondary input contact.

8. (Original) The transfer switch of claim 5 wherein the flux barrier includes different portions that are at least partially positioned between each of the cassettes.

9. (Original) The transfer switch of claim 8 wherein the different portions of the flux barrier isolate each cassette entirely from magnetic interaction with the other cassettes.

10. (Original) The transfer switch of claim 8 wherein the different portions of the flux barrier are integral with one another.

11-16 (Cancelled)

17. (Original) A transfer switch comprising:

output contacts;

primary input contacts;

secondary input contacts;

a switch stack alternately connecting the output contacts to the primary input contacts and the secondary input contacts via a conductive path; and

means for reducing magnetic interaction with the conductive path in the transfer switch.

18. (Original) The transfer switch of claim 17, wherein the means for reducing

magnetic interaction with the conductive path includes a flux barrier positioned near the conductive path to minimize magnetic interaction with the conductive path.

19. (Original) The transfer switch of claim 17, wherein the transfer switch includes a plurality of conductive paths, and the flux barrier includes a plurality of portions such that each portion is positioned between a unique pair of conductive paths.

20. (Original) The transfer switch of claim 17, wherein the means for reducing magnetic interaction between the conductive paths is a planar steel sheet.